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PRIORITY

OXCART

SUBJ: EVALUATION OF BLACK SHIELD MISSION BX6847.

1. CAMERA TYPE 1 (115-A) UNIT C WAS USED ON MISSION BX6847 FLOWN 26 JANUARY 1968.

2. BOTH CAMERAS OPERATED SATISFACTORILY THROUGHOUT THE MISSION. SOME SMEARED IMAGERY AND MIS-METERING IS PRESENT IN PHOTOS TAKEN DURING SEVERE VEHICLE MANEUVERING.

3. EXPOSURE AND RESOLUTION ARE GOOD THROUGHOUT. THE BEST RESOLUTION IS ESTIMATED TO BE 20 INCHES (BAR PLUS SPACE) IN THE NEAR VERTICAL PORTIONS OF THE FORMAT. THE CONTRAST IS HIGH THROUGHOUT.

4. THE 100 CPS TIME TRACK IS WITHIN THE FORMAT ON BOTH CAMERA RECORDS FROM 45 TO 62 DEGREES OF SCAN. ON THE AFT CAMERA THIS OCCUR ON THE NON-DATA BLOCK EDGE AND ON THE FWD IT OCCURS ON THE EDGE CLOSEST TO THE DATA BLOCK.

5. THE 100 CPS TIME DOTS TRACK OFF OF THE FILM, ON THE FORWARD CAMERA RECORD, FOR THE LAST 15 DEGREES OF SCAN THROUGHOUT MUCH OF THE MISSION.

6. A CONTINUOUS ABRASION MARK IS PRESENT FROM FRAME 238 TO 246. THIS MARK IS JUST WITHIN THE FORMAT ON THE EDGE OPPOSITE THE DATA BLOCK.

7. NUMEROUS SMALL EMULSION SCRATCHES (MAXIMUM ONE INCH LONG) ARE PRESENT ALONG A LINE 0.6 INCH FROM THE NON-DATA BLOCK EDGE OF THE FILM INTERMITTENTLY THROUGHOUT THE FIRST HALF OF THE MISSION. NO PATTERN IS EVIDENT AND THEY DO NOT FOLLOW THE IMC SHUTTLE CURVE.

8. ALL DATA CHAMBER RECORDINGS WERE OPERATIONAL WITH GOOD SHARP IMAGES. A GOOD CORRELATION WAS ACHIEVED BETWEEN THE INS DATA AND THE FILM.

9. NO APPRECIABLE DIFFERENCE IN IMAGE QUALITY IS NOTED BETWEEN THE ZERO PRIORITY POSITIVES AND THE ZI PRODUCED POSITIVES.

10. HEAT SPLICES ARE PRESENT BETWEEN FRAMES 203/206, 115/1158, AND 1295/1298. AN ULTRASONIC SPLICE IS LOCATED IN FRAME 1240. CLOUDS OBSCURED APPROXIMATELY 50 PERCENT OF THE MISSION.

S E C R E T

END OF MESSAGE

*"Field produced"*

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